



Tesselation 13 (F)

"Be Silent, O Sufferer of Steatopygia Gravis"

Suite: Tesselation Party!

by Arya Akhavan (October 2012)

Angles for R.I. = 1.580

57 + 12 girdles = 69 facets

4-fold, mirror-image symmetry

96 index

L/W = 1.413 T/W = 0.295 U/W = 0.295

P/W = 0.624 C/W = 0.217

Vol./W³ = 0.449

PAVILION

P1	43.20°	10-38-58-86	Cut to centerpoint.
P2	43.24°	15-33-63-81	Meet at culet.
P3	43.34°	19-29-67-77	Meet at culet.
G1	90.00°	01-47-49-95	Set stone size.
G2	90.00°	15-33-63-81	Establish girdle level.
G3	90.00°	19-29-67-77	Level girdle.
P4	66.01°	01-47-49-95	Level girdle.
P5	42.50°	12-36-60-84	Meet P2, G1, G2, P4
P6	42.69°	17-31-65-79	Meet P2, P3, G2, G3; culet
P7	42.42°	20-28-68-76	Meet P3, G3; culet

CROWN

C1	55.53°	01-47-49-95	Set girdle width.
C2	30.48°	15-33-63-81	Level girdle.
C3	32.47°	19-29-67-77	Level girdle.
C4	25.63°	20-28-68-76	Meet G3, C3
C5	23.15°	18-30-66-78	Meet C2, C3, C4
C6	20.21°	04-44-52-92	Meet C1, C2, C5
C7	16.73°	96-24-48-72	Meet C1, C6
T	0.00°	Table	Meet C5, C6, C7

This semi-rectangular F-type is a bit odd. One would expect it to have a keel running along the long axis, but instead, the keel runs along the short axis! Take THAT, classic gemstone design! Also has a sweet reflection pattern, and works in any material from feldspar to rutile (RI = 1.52 - 2.62) with no changes.

Suggested length = 6-12 mm

C:\Program Files (x86)\GemCAD\Designs (Mine)\Works in Progress\Tesselations\Tesselation 13 (F) -Be Silent, O Sufferer of Steat